C) AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings of claims in the Application.

1. (Currently Amended) A method of applying a heat-rejection coating, comprising the steps of:

supplying a component of a gas turbine engine having an outer ceramic surface;

providing a reflective-coating mixture, wherein the reflective-coating mixture comprises a metallic pigment and an evaporable carrier;

applying the mixture to the outer ceramic surface by a method selected from the group consisting of air-assisted spraying, airless spraying, brushing, and decal transfer, each of the group being capable of being applied at ambient room temperature and not requiring the component to be disposed inside a chamber having a pressure level less than ambient pressure level; and

firing the component having the reflective-coating mixture thereon to form a reflective coating on the ceramic component.

- 2. (Original) The method of claim 1, wherein the step of applying the reflective-coating mixture includes applying the reflective-coating mixture by air-assisted spraying.
- 3. (Original) The method of claim 1, wherein the step of providing the reflective-coating mixture includes providing the metallic pigment selected from the group consisting of platinum, gold, silver, rhodium, palladium, and alloys thereof.
- 4. (Original) The method of claim 1, wherein the step of providing the reflective-coating mixture includes providing an organic reflective-coating-mixture carrier.
- 5. (Original) The method of claim 1, wherein the step of applying the reflective-coating mixture includes a step of air-assisted spraying the reflective-coating mixture such that the

reflective coating has an areal weight of from about 0.00275 to about 0.00475 grams per square inch of a surface to which it is applied.

- 6. (Original) The method of claim 1, further including an additional step, before the step of providing the reflective-coating mixture, of applying a ceramic thermal barrier coating over the component surface, and wherein the step of applying the reflective-coating mixture includes the step of applying the reflective-coating mixture onto the ceramic barrier coating applied to the component surface.
- 7. (Original) The method of claim 6, wherein the step of applying the ceramic barrier coating further includes applying a coating comprising a ceramic material selected from the group consisting of lanthanum and cerium.
- 8. (Original) The method of claim 6, wherein the step of applying the ceramic barrier coating further includes applying a ceramic-barrier-coating mixture to the surface such that the mixture has an areal weight of from about 0.00325 to about 0.00625 grams per square inch.
- 9. (Original) The method of claim 6, wherein the step of applying the ceramic barrier coating further includes the step of air-assisted spraying the ceramic-barrier-coating mixture onto the component, and drying the ceramic-barrier-coating mixture.
- 10. (Original) The method of claim 1 wherein the provided reflective-coating mixture further comprises a noble metal encapsulator.
- 11. (Original) The method of claim 1 wherein the provided reflective coating mixture contains a predetermined amount of filler.
- 12. (Original) The method of claim 11 wherein the filler material is glass or ceramic materials.
- 13. (Original) The method of claim 12 wherein the filler comprises up to about 25 percent of the reflective mixture by weight.

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- 14. (Original) The method of claim 1 wherein the step of firing the component includes firing the component from about 1,100°F to about 2,150°F.
- 15. (Original) The method of claim 1 wherein the step of firing the component includes firing the component at about 1,650°F.
- 16. (Currently Amended) A method of applying a heat-rejection coating, comprising the steps of:

supplying a component of a gas turbine engine, the component having a ceramic surface; pre-treating the component surface to form a pre-treated component surface; thereafter

air-assisted spraying a reflective-coating mixture onto the pre-treated component surface, the air-assisted spraying being capable of being applied at ambient room temperature and not requiring the component to be disposed inside a chamber having a pressure level less than ambient pressure level, the reflective-coating mixture comprising a metallic pigment and a reflective-coating-mixture carrier; and

firing the component having the coating mixture thereon.

- 17. (Original) The method of claim 16, further including the additional step of supplying a component of a gas turbine engine, and applying a ceramic coating over a surface of the component.
- 18. (Original) The method of claim 17, wherein the step of applying the ceramic coating further includes the steps of air-assisted spraying a ceramic-barrier-coating mixture onto the component, and drying the ceramic-barrier-coating mixture.
- 19. (Original) The method of claim 16 wherein the step of spraying reflective-coating mixture further includes spraying a mixture comprising a noble metal encapsulator.
- 20. (Original) The method of claim 16 wherein the step of spraying the reflective coating mixture includes spraying a mixture that includes a predetermined amount of filler.

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- 21. (Original) The method of claim 20 wherein the filler material is selected from the group consisting of glass and ceramic materials.
- 22. (Original) The method of claim 21 wherein the filler comprises up to about 25 percent of the reflective mixture by weight.